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APPLICATION N	D. F	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/909,121 07/19/2001		07/19/2001	Nicholas J. Richardson	00-LJ-220 (STM101-00220)	1021
30425	7590	03/17/2004		EXAMINER	
		RONICS, INC.	KIM, KENNETH S		
MAIL STATION 2346 1310 ELECTRONICS DRIVE CARROLLTON, TX 75006				ART UNIT	PAPER NUMBER
				2111	Ž,
				DATE MAILED: 03/17/2004	1

Please find below and/or attached an Office communication concerning this application or proceeding.

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ı	Application No.	Applicant(s)
Office Action Commence	09/909,121	RICHARDSON, NICHOLAS J.
Office Action Summary	Examiner	Art Unit
	Kenneth S KIM	2111
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the d	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute. Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tir y within the statutory minimum of thirty (30) day vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	nely filed /s will be considered timely. I the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
1)☒ Responsive to communication(s) filed on 19 Ju 2a)☐ This action is FINAL. 2b)☒ This 3)☐ Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro	
Disposition of Claims		
4) ☐ Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-20 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	wn from consideration.	KENNETH S. KIM PRIMARY EXAMINER
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicated any not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 2.	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive u (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s)		
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 3. 	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	

Application/Control Number: 09/909,121

Art Unit: 2111

1. Claims 1-20 are presented for examination.

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1, 8, and 15, it is not clear how the generated fold-status information is used.

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 5. Claims 1, 5, 8, 12, 15, and 19 are rejected under 35 U.S.C. 102(e) as being anticipated by Koppala et al, U.S. Patent No. 6,237,086, submitted by the applicant.

Application/Control Number: 09/909,121

Art Unit: 2111

65),

Koppala et al teaches the invention as claimed in claims 1 and 5 including an instruction handling system for determining instruction folding (1950) comprising:

(a) at least one fold decoder associated with an instruction fetch buffer stack (1920),

(b) the at least one fold decoder coupled to a set of successive entries within the instruction fetch buffer stack and examining contents within the successive entries prior to a main decode of the contents within the successive entries to determine whether the successive entries contain two or more instructions which may be folded (col. 20, line

- (c) the at least one fold decoder generating fold status information for the contents within the successive entries indicating whether the successive entries contain two or more instructions which may be folded (col. 20, line 15), and
- (d) wherein the at least one fold decoder checks the contents within the successive entries for instructions of a variable size and for possible folding of a variable number of instructions (col. 16, line 28; col. 20, line 16) claim 5.

The processor claims 8 and 12 including the fetch buffer and the decoder (320) and the method claims 15 and 19 are equivalently rejected based on the same reason.

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Chang et al taught an apparatus for folding a plurality of instructions.

Cho et al taught an extended instruction word folding apparatus.

O'Conner et al taught a method of folding instructions for a stack based machine.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth S KIM whose telephone number is (703) 305-9693. The examiner can normally be reached on M-F (8:30-17:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on (703) 305-4815. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

March 15, 2004

KENNETH S. KIM PRIMARY EXAMINER